

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G01R33/32

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DE DEENE Y ET AL: "Artefacts in multi-echo T2 imaging for high-precision gel dosimetry. II. Analysis of B1-field inhomogeneity" PHYSICS IN MEDICINE AND BIOLOGY IOP PUBLISHING UK, vol. 45, no. 7, 2000, pages 1825-1839, XP002315230 ISSN: 0031-9155 page 1825, paragraph 1 - page 1826, paragraph 2</p> <p>-----</p> <p style="text-align: center;">-/-</p>	1-20

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- °A° document defining the general state of the art which is not considered to be of particular relevance
- °E° earlier document but published on or after the International filing date
- °L° document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- °O° document referring to an oral disclosure, use, exhibition or other means
- °P° document published prior to the International filing date but later than the priority date claimed

- °T° later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- °X° document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- °Y° document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- °&° document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
27 January 2005	25/02/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	Authorized officer  Dragomir, A

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CLARE S ET AL: "Compensating for B1 inhomogeneity using active transmit power modulation" MAGNETIC RESONANCE IMAGING ELSEVIER USA, vol. 19, no. 10, 2001, pages 1349-1352, XP002315231 ISSN: 0730-725X the whole document	1,13,14
A	DE DEENE Y ET AL: "Validation of MR-based polymer gel dosimetry as a preclinical three-dimensional verification tool in conformal radiotherapy." MAGNETIC RESONANCE IN MEDICINE : OFFICIAL JOURNAL OF THE SOCIETY OF MAGNETIC RESONANCE IN MEDICINE / SOCIETY OF MAGNETIC RESONANCE IN MEDICINE. JAN 2000, vol. 43, no. 1, January 2000 (2000-01), pages 116-125, XP002315232 ISSN: 0740-3194 the whole document	2-13, 15-20
A	DE DEENE Y ET AL: "Validation of MR-based polymer gel dosimetry as a preclinical three-dimensional verification tool in conformal radiotherapy." MAGNETIC RESONANCE IN MEDICINE : OFFICIAL JOURNAL OF THE SOCIETY OF MAGNETIC RESONANCE IN MEDICINE / SOCIETY OF MAGNETIC RESONANCE IN MEDICINE. JAN 2000, vol. 43, no. 1, January 2000 (2000-01), pages 116-125, XP002315232 ISSN: 0740-3194 the whole document	1-20
A	KINGSLEY P B ET AL: "Correction of errors caused by imperfect inversion pulses in MR imaging measurement of T1 relaxation times" MAGNETIC RESONANCE IMAGING, TARRYTOWN, NY, US, vol. 16, no. 9, November 1998 (1998-11), pages 1049-1055, XP002242125 ISSN: 0730-725X the whole document	1-20
A	ROSENFIELD D ET AL: "Design of Selective Adiabatic Inversion Pulses Using the Adiabatic Condition" JOURNAL OF MAGNETIC RESONANCE, ACADEMIC PRESS, ORLANDO, FL, US, vol. 129, no. 2, December 1997 (1997-12), pages 115-124, XP004407652 ISSN: 1090-7807 the whole document	1-20